

RUBBER COMPOSITION AND CURED PRODUCT

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Abstract

PURPOSE: To obtain a rubber composition, excellent in heat resistance and vulcanizable with hot air by blending an ethylene-propylene-diene copolymer with a specific organohydrogenpolysiloxane and platinum (compound).
CONSTITUTION: The objective composition is obtained by blending (A) an ethylene-propylene-diene copolymer (preferably with 40-60wt.% propylene content) alone or a mixture, composed of ≥ 60 wt.% ethylene-propylene-diene copolymer and ≤ 40 wt.% organopolysiloxane without containing any hydrogen atom bound to silicon atom, with (B) an organohydrogenpolysiloxane having ≥ 2 hydrogen atoms bound to silicon atom in one molecule and (C) platinum or a compound thereof. The aforementioned composition can be vulcanized by a conventional method; however, vulcanization with hot air can especially be carried out. Thereby, a cured rubber product excellent in elasticity can be obtained by heat treatment at 150-200 deg.C for 5-10min.

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